

## Product datasheet

# Human gamma Actin intron 3 ChIP Primer Set ab85784

### Overview

**Product name** Human gamma Actin intron 3 ChIP Primer Set

**Product overview** Accession number: NG 011433.  
 The ACT2 primers can be used as a control locus in chromatin immunoprecipitation (ChIP) assays with chromatin prepared from human cells.  
 Gamma actin is a constitutively expressed gene. The primers are located in intron 3 of the gamma actin gene. Together with the HsACT1 and HsACT3 primers these primers can be used to determine the abundance of a modification (e.g. Histone H3 K4 mono methylation, see image with [ab8895](#)) or a factor (e.g. RNA polymerase II, see image with [ab26721](#)) over the gamma actin locus.

### Properties

**Storage instructions** Store at -20°C. Please refer to protocols.

Components	Identifier	1 units
Hsgamma Actin intron 3 ChIP primer (Forward)		—
Hsgamma Actin intron 3 ChIP primer (Reverse)		—

**Relevance** Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. In vertebrates there are three main groups of actin isoforms, alpha, beta and gamma. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins coexist in most cell types as components of the cytoskeleton and as mediators of internal cell motility. Defects in ACTG1 are the cause of non-syndromic sensorineural deafness autosomal dominant type 20 (DFNA20) [MIM:604717]; also called autosomal dominant deafness type 26 (DFNA26).

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